

68938

10 DEC 69 23 50z

SECRET

S E C R E T 102344Z DEC 69 CITE [] 7578

25X1
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IDEALIST

SUBJECT: IRIS II EVALUATION, MISSION GT69-398, 29 OCT 69.

1. IMAGE QUALITY: MISSION GT69-398 IMAGED RESOLUTION TARGETS LOCATED AT EDWARDS AIR FORCE BASE, CALIFORNIA. THE BEST RESOLUTION READINGS WERE [] IN-TRACK AND [] ACROSS-TRACK, READ ON TWO FORWARD FRAMES. THE BEST READINGS FROM THE AFT FRAMES WERE [] IN-TRACK AND [] ACROSS TRACK. THE TARGET READINGS APPEAR TO BE INDICATIVE OF THE IMAGE QUALITY, IN THAT THE IMAGE QUALITY IS FAIR TO GOOD THROUGHOUT WITH FORWARD FRAMES EXHIBITING THE BEST RESOLUTION. THE IMAGE QUALITY APPEARS GOOD ACROSS THE FORWARD FRAMES AND ON THE TITLED EDGE OF AFT FRAMES WHILE IT IS ONLY FAIR ALONG THE NON-TITLED EDGE OF AFT FRAMES. THUS, THE DEGRADED IMAGERY APPEARS TO BE ASSOCIATED WITH THOSE LIGHT RAYS WHICH PASS THROUGH THE AFT PORTION OF THE BAY WINDOW.

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2. MISSION DATA:

- A. MISSION GT69-398, 29 OCT 69
- B. CAMERA NUMBER: S/N 8003
- C. MODE OF OPERATION: STEREO
- D. FILM TYPE/FILTER: 3404/W-23A
- E. FILM FOOTAGE: 8600 FEET

DISTRIBUTION		
CY	OFFICE	PI
1	FILE	
2	CABLE SEC.	
	PF&B/RD	
	SECUR.	
3,4	TSSG/ARSD	
	PSG/OC	
	RRD	
	REPRO	
	AID	
	LEG	25X1
	PROD	
	SCIEN	
	WEST	
	EAST	
	M&S	
	DIA-XX4	
	SPAD	
	DIA-AP	25X1
	CMX	

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F. PROCESSING: DUAL GAMMA CHEMISTRY

3. ORIGINAL NEGATIVE:

- A. EXPOSURE: MEDIUM TO OVER
- B. IMAGED DEGRADATIONS: THERE IS EXTRANEIOUS TERRAIN IMAGERY IN THE DATA BLOCK AREA AFTER FRAME 1276. A MANUFACTURER'S SPLICE WHICH PASSED THROUGH THE CAMERA AT FRAME 1276, MAY HAVE DISTURBED THE CAPPING SHUTTER MECHANISM RESULTING IN THIS ANOMALY. IN GENERAL, THE IMAGED DEGRADATIONS ARE MINIMAL THROUGHOUT THE MISSION.
- C. STATIC: NONE NOTED
- D. BANDING: NEGILGIBLE
- E. METERING: THE FORWARD FRAMES ARE COMPRESSED AT THE END OF SCANS (SUPPLY END) INTERMITTENTLY THROUGHOUT THE MISSION. IN THE WORST CASE, THE SCAN ANGLE MARKS FOR 50 DEGREES AND 70 DEGREES LEFT WERE 7.7 INCHES APART (SPECIFICATIONS ARE 8.38 PLUS OR MINUS 0.11 INCHES). MEASUREMENTS OF THE OTHER SCAN ANGLES OF THE FORWARD AND ALL SCAN ANGLES OF THE AFT FRAMES CORRESPOND TO SPECIFICATIONS. IMAGE DEGRADATION FROM THIS ANOMALY IS NOT VISUALLY APPARENT; HOWEVER, MENSURATION ACCURACY IN THAT AREA WOULD BE IMPAIRED.

F. AUXILIARY DATA: IN A FEW CASES, THE 50 DEGREE LEFT SCAN ANGLE MARK ON THE FORWARD FRAMES IS EITHER FAINT OR MISSING. GENERALLY THE DATA RECORDING IS SATISFACTORY.

S E C R E T

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SECRET

EXCLUDED FROM
downgrading
declassification